

PIK, Ts.D.; VORONTSOVA, Ye.I.; GORODENSKAYA, Ye.N.; MISHCHENKO, B.B.; GORLIN,
N.M.

Prevention and pathogenesis of silicosis. Gig. sanit., Moskva No.12:
20-27 Dec 51. (CIML 21:4)

1. Report presented at the Scientific Session of the Institute of
Labor Hygiene and Occupational Diseases of the Academy of Medical
Sciences held in February 1951.

Industrial hygiene

Conference of young scientific workers., Gig. i san., No. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, May 1952 ~~1956~~, Unclassified.

KHALIZOVA, O. D; VORONTSOVA, Ye. I.

Certain properties of freon 12 and method of its determination.
Gig. sanit., Moskva no.4:44-46 Apr. 1952. (CLML 22:2)

1. Institute of Labor Hygiene and Occupational Diseases, Academy
of Medical Sciences USSR.

VORONTSOVA, YE. I., MARFEMIN, V. S.

Industrial Hygiene

Result of evaluation of plans for scientific activities of institutes for industrial hygiene of the All-Union Central Council of Trade Unions. Giv. 1 san. No. 4, Apr. '52.

9. Monthly List of Russian Accessions, Library of Congress, September 1953² Unclassified.

VORONTSOVA, YE. I.

Industrial Hygiene

Fourth Scientific Session of the Sverdlovsk Province Institute of Industrial Hygiene and Occupational Diseases. Gig i san. No. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, September 1953.²Unclassified.

CA

Effectiveness of air filters made of mineral wool. T. S. Karacharov and B. I. Vorontsova (Ministry Health, Moscow). *Gigiena i Sanit.* 1952; No. 6, 29-35.—Mineral-wool filters impregnated with bitumen give 80-90% dust retention and in most cases permit but 1 mg./cu. m. dust penetration. Min content can be reduced from 0.21 to 0.018 mg./cu. m. At moderate speeds such filters are useful for air decontamination in welding shops. The dust capacity is about 220 g. per sq. m. G. M. Kosolapoff

KHOTSYANOV, L.K.; VORONTSOVA, Ye. I.

Basic tasks in the field of industrial hygiene in relation to directive
of the 19th Congress of the Party. Gig. sanit., Moskva no.12:3-7 Dec 1952.
(CIML 23:4)

VORONTSOVA, E. I.

U S S R :

✓3770. CONFERENCE ON METHODS FOR DETERMINING DUST CONTENT OF AIR.
Vorontsova, E. I. (Ogiena Sanit. (Hyg. & Sanit., Moscow), Oct. 1953, 54-56;
abstr. in Nat. Abstr., Sept. 1954, vol. 5, 1014). The papers cover methods

of determining dust content of air, comparative trials under static
conditions of various types of apparatus for analysing dust content, apparatus
for the quantitative and qualitative study of atmospheric aerosols, etc.

VORONTSOVA, Ye. I.

Medicine, Industrial

At the youth forum, Gig. 1 san. No. 2, 1953

Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

VORONTSOVA, E. I.

(2)
Hygienic evaluation of the atmosphere in automatic welding under a flux layer. E. I. Vorontsova and T. S. Karacharov. *Gigiena i Sanit.* 1954, No. 1, 15-24.—Automatic welding under a flux composed of CaF_2 , SiO_2 , CaO , MgO , Al_2O_3 , and MnO_2 causes considerable atm. contamination by dust of Mn compds. and SiO_2 , as well as gases (HF , CO , NO_x oxides). Analyses of the atm. at various locations in a typical shop are cited. High efficiency of ventilation is strongly urged in this work. G. M. K.

VOKROV / SOV, Ye. L.

LETAVET, A.A.; RYAZANOV, V.A.; KHOTSYANOV, L.K.; MOROZOV, A.L.; MARTSINKOVSKIY, B.I.; MITEREV, G.A.; IVANOV, V.A.; IZRAEL'SON, Z.I.; ORLOV, N.I.; CHERKINSKIY, S.N.; BERYUSHOV, K.G.; KIBAL'CHICH, I.A.; TARASEEKO, N.Yu.; DRAGICHINA, Ye.A.; VORONTSOVA, Ye.I.; SANINA, Yu.P.; KREMNEVA, S.N.; KULAGINA, N.K.; SHAZTRANOVA, A.S.; TIKHAYA, M.G.; MOLOKANOV, K.P.; RAZUMOV, N.P.; KURLYANDSKAYA, E.B.; KHALIZOVA, O.D.

In memory of Professor N.S.Pravdin. Sig.1 san. no.4:61 Ap '54.

(Pravdin, Nikolai Sergeevich,

(MLRA 7:4)
)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861010012-1

SECTION FOR WEIGHTING

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861010012-1"

KHUKHRINA, Ye.V., kandidat meditsinskikh nauk; VORONTSOVA, Ye.I.,
kandidat meditsinskikh nauk

Comparative evaluation of different methods for the determination
of dust pollution of air. Bor'ba s sil. 2:205-214 '55. (MLRA 9:5)

1. Moskovskiy oblastnoy nauchno-issledovatel'skiy sanitarno-
gigiyenicheskiy institut (for Khukhrina) 2. Institut gigiyeny
truda i profzabolevaniy Akademii meditsinskikh nauk SSSR (for
Vorontsova)
(DUST)

VORONTSOVA, YE. I.

AID P - 3669

Subject : USSR/Medicine
Card 1/1 Pub. 37 - 15/19
Author : Vorontsova, Ye. I., Kand. Med. Sci.
Title : ~~Measures for improving the working conditions of electric welders~~
Periodical : Gig. i. san., 11, 56-58, N 1955
Abstract : Summaries of reports presented by scientific workers at the Conference of various sections of the Ministry of Shipbuilding, Ministry of Health, RSFSR, Institutes of Hygiene, etc., called in Leningrad, June 7-9, 1955.
Institution : Institute of Industrial Hygiene and Occupational Diseases, Acad. of Med. Sci., USSR.
Submitted : No date

AID P - 5268

Subject : USSR/Engineering

Card 1/1 Pub. 107-a - 4/18

Authors : Vorontsova, Ye. I., Dotsent and T. S. Karacharov, Eng.
(Institute of Labor Hygiene and Occupational Diseases,
Academy of Medical Science, USSR)

Title : Evaluation of labor conditions in various types of arc
welding.

Periodical : Svar. proizv., 9, 12-14, S 1956

Abstract : The authors present a concise report of their investi-
gation of sanitary conditions and various measures under-
taken for improvement of existing conditions in manual
automatic and semi-automatic welding with fusing admixtures
and in carbon-dioxide welding. Five tables, 1 drawing.

Institution : As above

Submitted : No date

VORONTSOVA, Ye.I., kandidat meditsinskikh nauk; KARACHAROV, T.S., inzhener

Hygienic evaluation of several brands of electrodes for manual arc welding. Gig. i san. 21 no.8:35-41 Ag '56. (MLRA 9:11)

1. Iz Instituta gigiyeny truda i professional'nykh zabolevaniy AMN SSSR.

(INDUSTRIAL HYGIENE

evaluation of several sorts of electrodes for manual arc welding)

VORONTSEVA, Ye. I.

137-58-1-2182

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 1, p 296 (USSR)

AUTHORS: Vorontsova, Ye. I., Karacharov, T. S.

TITLE: An Evaluation of the Atmosphere in Electric Welding in the Shipbuilding Industry from the Point of View of Health, and Prospects for Improving the Situation (Gigiyenicheskaya otsenka vozduшной sredy pri elektrosvarke v sudostroitel'noy promyshlennosti i perspektivy yeye ozdorovleniya)

PERIODICAL: Tr. Yubileyn. nauchn. sessii, posvyashch. 30-letney deyat-sti Gos. n.-i. in-ta gigiyeny truda i profzabolevaniy. Leningrad, 1957, pp 145-151

ABSTRACT: Working conditions and their effect on the health of welders are investigated. Preventive measures recommended include an increase in air flow, installation of permanent ventilators when welding is performed in holds of small vessels and at more or less fixed spots, replacement of OSTs-45 flux by another, for example AN-348 or FTs-9, in automatic and semi-automatic welding, replacement of hand stocking of flux by automatic loading of flux into bins, etc.

Ye. L.

Card 1/1

1. Electric welding--Physiological effects 2. Electric welding
--Safety measures 3. Ventilation--Applications

Vorontsova, Ye. I.
VORONTSOVA, Ye. I. (Moskva)

Principal hygienic problems in the electric welding and cutting of nonferrous metals. Gig.truda i prof.zab. 1 no.6:6-11 N-D '57.

(MIRA 11:2)

1. Institut gigiyeny truda i profzabolevaniy AMN SSSR.
(WELDING—HYGIENIC ASPECTS)

135-58-7-19/20

AUTHOR: Vorontsova, Ye. I., Candidate of Medical Sciences, and Karacharov, T.S., Engineer

TITLE: Present State and Trends of Work in the Field of Industrial Hygiene in Welding (Sostoyeniye i perspektivy raboty v oblasti gigiyeny truda pri svarke)

PERIODICAL: Svarochnoye proizvodstvo, 1958, Nr 7, pp 44-47 (USSR)

ABSTRACT: General recommendations are given for hygienic working conditions to protect welding workers from the harmful effects of gas liberation. Investigations on this subject were carried out by the Institute of Industrial Hygiene and Professional Diseases AMS USSR and the Leningrad and Ukrainian Institutes of Industrial Hygiene and Professional Diseases. Information includes investigations carried out on an experimental installation for determining aerosol and gas liberation in manual arc welding (figure 1). The following exhaustor ventilation devices are described: 1) a lateral exhaustor, designed by T.S. Karacharov (figure 2); 2) a local exhaustor for the welding of large size structures, recommended by the Moskovskiy institut okhrany truda VTsSTsS (Moscow Institute of Labor Protection VTsSTsS) (figure 3); 3) an installation for the ventilation of closed

Card 1/2

135-58-7-19/20

Present State and Trends of Work in the Field of Welding Labor Hygiene

areas (figure 4), utilized at the "Kompressor Plant; 4) a portable ventilation device for welding inside of ships (figure 5); 5) a local exhauster (figure 6), designed by the Leningrad Institut okhrany truda; 6) an air supply device for closed areas (figure 7), recommended by the same Institute. There are 8 diagrams.

ASSOCIATION: Institut gigiyeny truda i profzabolevaniy AMN SSSR (Institute of Industrial Hygiene and Professional Diseases AMS USSR)

1. Welding--Hazards

Card 2/2

VORONTSOVA, YE. I., KARACHAROV, T. S.

"Problems of labor hygiene in the new types of electric welding."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists and Infectionists, 1959.

VORONTSOVA, Ye.I. (Moskva)

Hygienic character of working conditions in electric slag welding.
Gig.truda i prof.zab. 3 no.5:27-29 S-0 '59. (MIRA 13:2)

1. Institut gigiyeny truda i profzabolevaniy AMN SSSR.
(ELECTRIC WELDING--HYGIENIC ASPECTS)

VORONTSOVA, Ye.I.

Conference on methods for determining the dust content of air,
Gig.truda i prof.zab. 3 no.5:62-63 8-0 '59. (MIRA 13:2)
(DUST)

9(3),18(7)

SOV/135-59-6-13/20

AUTHOR:

Vorontsova, Ye. I., Candidate of Medical Sciences, and
Karacharov, T. S., Engineer

TITLE:

Evaluation of the Ts M-9 Type Rutile Electrodes from
the Point of View of Worker Hygiene

PERIODICAL:

Svarochnoye Proizvodstvo, 1959, Nr 6, p 40 (USSR)

ABSTRACT:

The authors investigate a new electrode Ts M-9 constructed by TsNIITMASH 1958 for welding steels containing little C-hydrate. The cover of the electrodes consists of titanium - containing minerals and felspar. The investigation of electrode Ts M-9 from the hygienic point of view is accomplished by a comparison with the electrodes Ts M-7 (Table 1). The authors state that, from the hygienic point of view, electrode Ts M-9 is much better than electrodes Ts M-7, Ts M-8 or MEC-04. There is 1 table.

ASSOCIATION:

Institut gigeny truda i profzabolevaniy AMN SSSR (Institute of Labor Hygiene and Occupational Diseases
AMN SSSR)

Card 1/1

VORONTSOVA, Ye. I., Doc Med Sci -- (diss) "Work hygiene in electrical welding occupations." Moscow, 1960. 27 pp; (Academy of Medical Sciences USSR); 300 copies; price not given; list of authors' works on pp 25-27 (20 entries); (KL, 19-60, 137)

VORONTSOVA, Yelena Ivanovna; LANDAU-TYLIKINA, S.P., red.; BALDINA, N.F.,
tekhn.red.

[Industrial hygiene for the electric welder] Gigiena truda
elektrosvarshchika. Moskva, Gos.izd-vo med.lit-ry Medgiz,
1960. 37 p. (MIRA 14:7)
(Electric welding---Hygienic aspects)

BYKHOVSKAYA, M.S.; VORONTSOVA, Ye.I.

Determination of renacite-4 in the air of production shops. Khim.
prom. no.8:685-686 D '60. (MIRA 13:12)

1. Institut gigiyeny truda i profsabolevaniy AMN SSSR.
(Rubber industry—Hygienic aspects)
(Benzonethiol)

VORONTSOVA, Ye.I., kand.med.nauk; KARACHAROV, T.S., inzh.

Work hygiene in hard facing. Svar. proizv. no.10:36-38 0 '60.
(MIRA 13:9)

1. Institut gigiyeny trudy i profzabolevaniy AMN SSSR.
(Hard facing) (Welding--Hygienic aspects)

VORONTSOVA, Ye.I., doktor med.nauk; KARACHAROV, T.S., inzh.;
VOSHCHANOV, K.P., inzh.

Labor conditions and their improvement in the electric welding
of aluminum and aluminum alloys. Svar. proizv. no.9:33-36
S '61. (MIRA 14:8)

1. Institut gigiyeny truda i profzabolevaniy AMN SSSR (for
Vorontsova, Karacharov). 2. Tsentral'nyye eksperimental'nyye
svarochnyye masterskiye Vsesoyuznogo nauchno-issledovatel'skogo
instituta avtogennoy obrabotki metallov (for Voshchanov).
(Aluminum—Welding)
(Welding—Hygienic aspects)

KARACHAROV, T.S., inzh. [deceased]; VORONTSOVA, Ye.I., d^{ok}tor med.nauk;
EL'TERMAN, V.M., inzh.

Ventilation in assembly and welding shops. Svar.proizv. no.1:35-39
Ja '62. (MIRA 15:3)

1. Institut gigiyeny truda i profzabolevaniy AMN SSSR (for
Karacharov, Vorontsova). 2. Moskovskiy institut okhrany truda
Vsesoyuznogo tsentral'nogo soveta professional'nykh soyuzov
(for El'terman).

(Welding--Hygienic aspects)
(Factories--Heating and ventilation)

VORONTSOVA, Yo.I.; KARACHAROV, T.S. (Moskva)

Hygienic evaluation of working conditions in hard facing and
measures for their improvement. Gig.truda i prof. zab. 6 no.5:
3-7 My'62. (MIRA 16:8)

1. Institut gigiyeny truda i professional'nykh zabolevaniy
AMN SSSR.

(HARD FACING—SAFETY MEASURES)

SYUNYAYEVA, Z.A.; TANATAROVA, M.S.; VORONTSOVA, Z, I.

Treatment of trachoma with tetracycline. Vest. oft. 73 no. 3:19-23
My-Je '60. (MIRA 14:1)

(CONJUNCTIVITIS, GRANULAR) (TETRACYCLINE)

KHODOYAROV, G.Kh., dotsent; VORONTSOVA, Z.I., nauchnyy sotrudnik

Observations on operations for transplanting Stensen's duct into
the conjunctival cavity in xerophthalmia. Oft.zhur. 16 no.6:345-
347 '61. (MIRA 14:10)

1. Iz Bashkirskogo nauchno-issledovatel'skogo trakhomatoznogo
instituta (direktor - M.S. Tanatarova).
(CONJUNTIVA) (CONJUNTIVITIS) (PAROTID GLANDS)

DOVZHANSKIY, S. I.; PUSHKARCHUK; pri uchastii: VORONTSOVOY, G. A., vrach;
KOPYL, P. S., vrach; ZUBOVICHA, vrach

Treatment of dermatological patients at the "Nemirov" Health
Resort. Vest. derm. i ven. no. 6:74-76 '61. (MIRA 15:4)

1. Iz L'vovskogo oblastnogo dermatologicheskogo dispansera
(glavnyy vrach T. G. Kovalishina) i kurorta "Nemirov" (glavnyy
vrach A. D. Yuzvenko)

(SKIN--DISEASES)
(LVOV PROVINCE--HEALTH RESORTS, WATERING PLACES, ETC.)

VORONTZOV, A. E.

USSR/Geology

Mar 1947

"New Data on the Geology of the Northwestern Border
of the Siberian Platform," A. E. Vorontzov, G. G.
Moor, 22 pp

"Izv Ak Nauk Ser Geol" No 3

Description of the geological structure of the
northwestern border of the Siberian platform on the
basis of numerous geological works carried out
during the last decade, with maps.

13T18

VORONTZOVA, M. A.

A. G. GURVICH, Arch. Sci. Biol. USSR 35-P, No. 1, 1934, 227-35

BC

B-3-4

Electrometric determination of moisture contents of fodder mixtures. V. S. KILUSCHNIKOVA and N. I. YOMONIKOV (Zinov. Lab., 1938, 7, 347-348).—Trustworthy results are given by a method depending on conductivity measurement. R. T.

ASB-51A DETAILORICAL LITERATURE CLASSIFICATION

1ST AND 2ND EDITIONS																									
RECEIVED AND REPORTED BY																									
<p>Separation of volatile products in the production of sulfur colors. N. I. VONOTY. <i>Antikharushchaya Prom 2, No 2, 20 (1952)</i> NaOH was found to be the most suitable agent for absorbing H_2S generated in the production of sulfur dyes. CHAS BLANC</p>																									
<p>ASB-3LA METALLURGICAL LITERATURE CLASSIFICATION</p>																									
<p>SEARCHED INDEXED SERIALIZED FILED</p>																									
<p>APR 1953</p>																									

Diphenyl sulfide. N. N. Voronov, Jr., and S. F. Mittenmender. Russ. 29,104, Apr. 21, 1932. Ph₂S is obtained by heating PhCl with an aq. soln. of NaHS₂ under pressure.

VORONZHTSOV, N. N.

VORONZHTSOV, N.N. mladshiy; KARANDASHOVA, N.N.

Sulfonation of 2-chloronaphthalene. Part 2: Sulfonation at elevated temperature. Zhur. ob. khim. 26 no.8:2255-2257 Ag '56. (MIRA 10:11)

1. Moskovskiy khimiko-tekhnologicheskii institut imeni D.I. Mendeleeva.
(Naphthalene) (Sulfonation)

10

Phenol. N. N. VORONTOV and A. G. OSMUKV. Russ. 28,219, Sept. 1, 1931.

C_6H_5Cl is treated under pressure with caustics obtained by electrolysis of concd. solns. \checkmark of NaCl.

COMMON ELEMENTS

INTERNAL INDEX

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

GROUPS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100																			
<p>BC</p> <p>Sulphonation of <i>n</i>-methylbenzene. M. M. Yacovlev (Anilinokras. Prom., 1932, 2, No. 1, 59-63). The highest yield of 1:4-disulphonic acid is obtained below 130° with H₂SO₄ containing some H₂O, the heating being rapid (1-2 hr.). Longer heating or more conc. acid leads to formation of 1:5-acid. Ch. Ana.</p>										<p>B-I-1</p>									
<p>PROCESSING AND PROPERTIES INDEX</p>										<p>PRO AND GIM LUDERS</p>									
<p>ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>										<p>8-2</p>									
<p>101000 MAY 01Y 000</p>										<p>001107 MAY 01Y 100</p>									

CLASSIFICATION		PROCESSING AND PROPERTIES INDEX	
<p><i>60</i></p> <p>Sulfonation of <i>o</i>-naphthylamine. N. N. YOROSHEV. <i>Antimikrobiologiya</i> From 2, No. 1, 89-92(1932).--The sulfonation of <i>o</i>-C₁₀H₇NH₂ was carried out (1) with 6 parts by wt. of 95-100% H₂SO₄ by heating 1-2.5 hrs. at 100-20°, and (2) with 5 parts of 90-2% H₂SO₄ for 1-6 hrs. at 115-20°. The results indicate that the highest yield of 1,6-disulfonic acid is obtained at temp. below 130° with H₂SO₄ contg. some water when heated rapidly (1-2 hrs.). A more prolonged heating or a more concd. H₂SO₄ tend to an energetic transposition of the sulfonic group in 4 with formation of 1,6-disulfonic acid.</p> <p>CHAS. BLANC</p>		<p>12</p>	
<p>100-114 DETAILORGRAPHIC LITERATURE CLASSIFICATION</p>			
<p>100-114 DETAILORGRAPHIC LITERATURE CLASSIFICATION</p>			

COMMON ELEMENTS		PROCESS AND PROPERTIES INDEX	
<p>BC</p> <p>Sulphonation of β-naphthol under drastic conditions. I. VORONTSOV and P. SOKOLOVA (Prom. Org. China, 1937, 3, 288-291). The yield of sulphonic acids obtained from β-O₂NH₂OH by heating with a 6-fold excess of 20% oleum at 130° remains const. at about 88% during 18 hr., and then falls steadily to 60% after 24 hr. The yield of 6:8-disulphonic acid (I) falls gradually over this period from 22% to zero, and of 8:6 (II) and 8:7-acid (III) from 24 to 17%. That of the 3:6:8-acid (IV) rises during the first 12 hr., at the expense of (I), from 60 to 80%, and then falls to 40%; as a result of hydrolysis of SO₃H groups and of ring-fission. The 1:8:7-</p>		<p>8-II-1</p> <p>acids (V) and 1:8:8:7-tetra-acid (VI) first appear after 6 hr., and their yield rises to 24% after 24 hr. Varying the excess of oleum from 2- to 8-fold does not affect the total yield of sulphonic acids, at 130° (7 hr.); the yield of di. falls, and of tri-sulphonic acids rises, with increasing excess of oleum. Sulphonation with 4-fold excess of oleum for 7 hr. at different temp. shows that the total yield falls from 98% at 100° to 95-96% at 130°, and then falls rapidly to 28% at 160°. (I), (II), and (IV) are obtained in approx. equal yields at 100-110°, above which the yield of (IV) rises to a max. at 130°, that of (I) falls to zero at 140°, and that of (II) falls to 20% at 120-135° and to 6% at 160°. Formation of (V) and (VI) commences at 115°, reaches a max. at 140°, and falls to zero at 160°, with probable production of (III).</p> <p>R. T.</p>	
<p>ASB-31A METALLURGICAL LITERATURE CLASSIFICATION</p>			
<p>100000 00</p>		<p>100000 00</p>	
<p>100000 00</p>		<p>100000 00</p>	

B-7-2

Influence of conditions of sulfonation on the yields of sulphinic acids in the preparation of p-naphthyl-6:8-disulphonic acid. I. I. VOMURATOV and P. N. BONDOLOVA (Ankarskaya Prom., USSR, No. 334—339). — The yields of sulphinic acids vary with temp. of sulfonation of p-C₁₀H₇OH, as follows: p-naphthyl-6:8-disulphonic acid, from 55–6%, at 60° to 64.7% at 80°; 6-sulphinic acid, from 6–6% at 60° to 0% at > 80°; 8-sulphinic acid, from 12–6% at 60° to 63.5% at 100°, 4-sulphinic acid, from 18% at 60° to 19–5% at 80°, and to 0% at 90°, and non-coupling sulphinic acids, from 20% at 80° to 1–4% at 90°. Max. yields of G-acid are obtained when the duration of sulfonation is 12–24 hr.

R. T.

4-3

Reduction of nitro-compounds with alkali sulphides. Preparation of α -nitroaniline. I. I. Voznyak (J. Chem. Ind. Russia, 1960, 7, 2143-2147).—The yield (80%) of α -nitroaniline from α -nitrotoluene is improved by addition of NaHCO_3 . A procedure is described. CHEMICAL ABSTRACTS.

ASAC-SCA METALLURGICAL LITERATURE CLASSIFICATION

10000 #1	10000 #2	10000 #3	10000 #4	10000 #5	10000 #6	10000 #7	10000 #8	10000 #9	10000 #10	10000 #11	10000 #12	10000 #13	10000 #14	10000 #15	10000 #16	10000 #17	10000 #18	10000 #19	10000 #20	10000 #21	10000 #22	10000 #23	10000 #24	10000 #25	10000 #26	10000 #27	10000 #28	10000 #29	10000 #30	10000 #31	10000 #32	10000 #33	10000 #34	10000 #35	10000 #36	10000 #37	10000 #38	10000 #39	10000 #40	10000 #41	10000 #42	10000 #43	10000 #44	10000 #45	10000 #46	10000 #47	10000 #48	10000 #49	10000 #50	10000 #51	10000 #52	10000 #53	10000 #54	10000 #55	10000 #56	10000 #57	10000 #58	10000 #59	10000 #60	10000 #61	10000 #62	10000 #63	10000 #64	10000 #65	10000 #66	10000 #67	10000 #68	10000 #69	10000 #70	10000 #71	10000 #72	10000 #73	10000 #74	10000 #75	10000 #76	10000 #77	10000 #78	10000 #79	10000 #80	10000 #81	10000 #82	10000 #83	10000 #84	10000 #85	10000 #86	10000 #87	10000 #88	10000 #89	10000 #90	10000 #91	10000 #92	10000 #93	10000 #94	10000 #95	10000 #96	10000 #97	10000 #98	10000 #99	10000 #100
----------	----------	----------	----------	----------	----------	----------	----------	----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------	------------

BC 10-11-4

Filtering properties of azo-dye suspensions.
 L.I. VASNETSOV (Prom. Org. Chim., 1930, 6, 30—23).
 —The filtration coeff. fall in the order: Direct
 Bordeaux, Congo-red, Acid-blue K, Direct-green,
 Acid-blue-black, Direct-yellow J, Direct-black B,
 and Direct-violet. R. T.

ASB-516 METALLURGICAL LITERATURE CLASSIFICATION

100000 00	100000 000 000 000	100000 000 000 000	100000 000 000 000
100000 00	100000 000 000 000	100000 000 000 000	100000 000 000 000

BC
 PREPARATION OF β -NAPHTHOL-1-SULPHONIC ACID. I. I.
 Vorontsov (Anilinokras. Prom., 1934, 4, 665--669).--
 The highest yields (80%) are obtained according to
 U.S.P. 1,013,748 (U., 1934, 137). R. T.

1st and 2nd copies
3rd and 4th copies

PROCESSES AND PROPERTIES INDEX

BC
B-II-1

Preparation of Schäffer's acid. I. I. YONCHIKOV.
 (J. Chem. Ind., Russia, 1930, 7, 1267-1270).—By
 sulfonation of β-naphthol with 2 pts. of 95-97%
 H₂SO₄ during 36 hr. at a low temp. approx. equal
 quantities of β-naphthol-5-sulphonic acid and Schäffer's
 acid are obtained. By sulfonation during 2-3 hr.
 at 80-85° with 1.5 pts. of H₂SO₄, the yield of sulphonic
 acids is 60%, Schäffer's acid constituting 75-80%.

CHEMICAL ABSTRACTS

COMMON ELEMENTS
COMMON VARIABLE DATA

MATERIAL DATA
COMMON DATA

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION
COMMON DATA

COMMON DATA
COMMON DATA

COMMON DATA
COMMON DATA

1ST APR 1968		PROCESSING AND PRESENTING INDEX		2ND APR 1968	
BC				B-II-1	
<p>Hydrolysis of 2-sulphato-6-sulphonic acid during sulphonation of 1-naphthol. I. I. Voznesenskii and L. M. Ivanova (J. Appl. Chem. Russ. 1946, 18, 1470-1473).—Sulphonation of β-C₁₀H₇OH with 80% H₂SO₄ at 80–85° involves (i) formation of 2:1-, 2:2-, 2:3-, and 2:4-OH-C₁₀H₆-SO₃H, (ii) hydrolysis of 2:1- and 2:2-OH-C₁₀H₆-SO₃H, (iii) sulphonation of 2:4-OH-C₁₀H₆-SO₃H to the 2:4-disulphonic acid, (iv) sulphonation of 2:4-OH-C₁₀H₆-SO₃H to the 1:2- and 2:4-disulphonic acid, (v) hydrolysis of 2:1:4-OH-C₁₀H₆(SO₃H)₂. R. I.</p>					
<p>ASH-56 METALLURGICAL LITERATURE CLASSIFICATION</p>					
SOURCE SYSTE		SOURCE REF DIV SEC		SOURCE DIV SEC	
1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48
49	50	51	52	53	54
55	56	57	58	59	60
61	62	63	64	65	66
67	68	69	70	71	72
73	74	75	76	77	78
79	80	81	82	83	84
85	86	87	88	89	90
91	92	93	94	95	96
97	98	99	100	101	102
103	104	105	106	107	108
109	110	111	112	113	114
115	116	117	118	119	120
121	122	123	124	125	126
127	128	129	130	131	132
133	134	135	136	137	138
139	140	141	142	143	144
145	146	147	148	149	150
151	152	153	154	155	156
157	158	159	160	161	162
163	164	165	166	167	168
169	170	171	172	173	174
175	176	177	178	179	180
181	182	183	184	185	186
187	188	189	190	191	192
193	194	195	196	197	198
199	200	201	202	203	204
205	206	207	208	209	210
211	212	213	214	215	216
217	218	219	220	221	222
223	224	225	226	227	228
229	230	231	232	233	234
235	236	237	238	239	240
241	242	243	244	245	246
247	248	249	250	251	252
253	254	255	256	257	258
259	260	261	262	263	264
265	266	267	268	269	270
271	272	273	274	275	276
277	278	279	280	281	282
283	284	285	286	287	288
289	290	291	292	293	294
295	296	297	298	299	300
301	302	303	304	305	306
307	308	309	310	311	312
313	314	315	316	317	318
319	320	321	322	323	324
325	326	327	328	329	330
331	332	333	334	335	336
337	338	339	340	341	342
343	344	345	346	347	348
349	350	351	352	353	354
355	356	357	358	359	360
361	362	363	364	365	366
367	368	369	370	371	372
373	374	375	376	377	378
379	380	381	382	383	384
385	386	387	388	389	390
391	392	393	394	395	396
397	398	399	400	401	402
403	404	405	406	407	408
409	410	411	412	413	414
415	416	417	418	419	420
421	422	423	424	425	426
427	428	429	430	431	432
433	434	435	436	437	438
439	440	441	442	443	444
445	446	447	448	449	450
451	452	453	454	455	456
457	458	459	460	461	462
463	464	465	466	467	468
469	470	471	472	473	474
475	476	477	478	479	480
481	482	483	484	485	486
487	488	489	490	491	492
493	494	495	496	497	498
499	500	501	502	503	504
505	506	507	508	509	510
511	512	513	514	515	516
517	518	519	520	521	522
523	524	525	526	527	528
529	530	531	532	533	534
535	536	537	538	539	540
541	542	543	544	545	546
547	548	549	550	551	552
553	554	555	556	557	558
559	560	561	562	563	564
565	566	567	568	569	570
571	572	573	574	575	576
577	578	579	580	581	582
583	584	585	586	587	588
589	590	591	592	593	594
595	596	597	598	599	600
601	602	603	604	605	606
607	608	609	610	611	612
613	614	615	616	617	618
619	620	621	622	623	624
625	626	627	628	629	630
631	632	633	634	635	636
637	638	639	640	641	642
643	644	645	646	647	648
649	650	651	652	653	654
655	656	657	658	659	660
661	662	663	664	665	666
667	668	669	670	671	672
673	674	675	676	677	678
679	680	681	682	683	684
685	686	687	688	689	690
691	692	693	694	695	696
697	698	699	700	701	702
703	704	705	706	707	708
709	710	711	712	713	714
715	716	717	718	719	720
721	722	723	724	725	726
727	728	729	730	731	732
733	734	735	736	737	738
739	740	741	742	743	744
745	746	747	748	749	750
751	752	753	754	755	756
757	758	759	760	761	762
763	764	765	766	767	768
769	770	771	772	773	774
775	776	777	778	779	780
781	782	783	784	785	786
787	788	789	790	791	792
793	794	795	796	797	798
799	800	801	802	803	804
805	806	807	808	809	810
811	812	813	814	815	816
817	818	819	820	821	822
823	824	825	826	827	828
829	830	831	832	833	834
835	836	837	838	839	840
841	842	843	844	845	846
847	848	849	850	851	852
853	854	855	856	857	858
859	860	861	862	863	864
865	866	867	868	869	870
871	872	873	874	875	876
877	878	879	880	881	882
883	884	885	886	887	888
889	890	891	892	893	894
895	896	897	898	899	900
901	902	903	904	905	906
907	908	909	910	911	912
913	914	915	916	917	918
919	920	921	922	923	924
925	926	927	928	929	930
931	932	933	934	935	936
937	938	939	940	941	942
943	944	945	946	947	948
949	950	951	952	953	954
955	956	957	958	959	960
961	962	963	964	965	966
967	968	969	970	971	972
973	974	975	976	977	978
979	980	981	982	983	984
985	986	987	988	989	990
991	992	993	994	995	996
997	998	999	1000	1001	1002

10

co

PROCESSES AND PROCEDURES

Reduction of dialtro compounds with alkali sulfides. Preparation of m-nitroaniline.

1. I. VORONTOV *J. Chem. Ind. (Moscow)* 7, 2145-7(1941).--The reduction of m- $\text{C}_6\text{H}_4(\text{NO}_2)_2$ (I) to m-nitroaniline (II) with Na_2S is improved by the addn. of NaHCO_3 . To 1 mol. of dry technical I stirred with water at $82-8^\circ$ are added 12% more than 1.5 mols. of dry NaHCO_3 and 8% more than 1.5 mols. of Na_2S as 13% soln. In the course of 20 min., the stirring is continued 30 min. at $82-8^\circ$, and the whole is poured on ice and stirred 30 min.; the II, filtered off and washed with cold water, m. $110-1^\circ$ (yield 87%); purified by way of the HCl salt, the yield is 71-87%. The best practical results are obtained by reduction with 1 mol. of Na_2S to 1 mol. of I, the procedure being as described above; yield 80-2%. II is purified by acidifying the hot reaction mixt. with HCl, heating to $90-6^\circ$, cooling with ice, filtering off the S and pptg. the II with Na_2CO_3 .

CHAP. II, 1941

A.S. S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
<p>CO</p> <p>10</p> <p>Production of 2,1-naphthalenolonic acid. I. I. Varentsov. <i>Antikisloshchennye Prom.</i> 4, 565-9(1934). The methods of the Ger. pat. 74,686 and U. S. pat. 1,663,761 (C. I. 22, 1305) and 1,912,748 (C. A. 27, 4248) were investigated. The last method is preferred, because it gives a fairly good yield (80%) and eliminates the use of toxic PhNO_2 and low temps. (below 0°). C. B.</p>																			
<p>ASS-5LA METALLURGICAL LITERATURE CLASSIFICATION</p>																			
140000 02										001111 011									
140000 02										001111 011									

12

CA

Indices of conditions of sulfonation on the yields of sulfonic acids in the preparation of β -naphthol 4,8-di-sulfonic acid. I. I. Voronin and P. N. Sokolova. Antikolraschekaya Prom. 3, 234-9(1935).—The yields of sulfonic acids vary with temp. of sulfonation of β -Naphthol on follows: β -naphthol-4,8-disulfonic acid, from 53.5% at 40° to 64.7% at 80°, 4-sulfonic acid, from 0.8% at 40° to 0% at greater than 80°, 3,8-disulfonic acid, from 12.9% at 40° to 23.5% at 100°, 6-sulfonic acid, from 13% at 40° to 19.5% at 80°, and to 0% at 90° and noncoupling sulfonic acids, from 21% at 40° to 1.4% at 80°. Max. yields of G acid are obtained when the duration of sulfonation is 12-24 hrs. B. C. A.

ASM-514 METALLURGICAL LITERATURE CLASSIFICATION

COMMON ELEMENTS		PROCESSES AND PROPERTIES INDEX		COMMON ELEMENTS	
CA		<p>The influence of the sulfonation conditions on the yields of sulfonic acids in the production of R acid. I. I. Vorontsov and P. N. Sokolova. <i>Antikisloshchaya Prava</i>, 6: 17-21(1934); cf. <i>Ibid.</i>, 1, No. 6(1931); C. A. 28, 5515; 26, 4500.—R acid and Schaeffer's acid (I) mixed in different proportions and converted into Fonceau 2R resulted in dyes of satisfactory tint with I up to 10%. The study of the effects of different factors on the yields of sulfonic acids led to the following conclusions. The max. oxidation losses of 5-6% are attained at the optimum sulfonation of 94-5%. The max. yield of 84-5% R acid contg. 9% I was obtained by sulfonating with 10% fuming H_2SO_4 at 120-5° for 18 hrs. and at 130-5° for 12 hrs. The min. yield of 10% R acid and I is obtained at all conditions of sulfonation. The relative contents of I in R acid are reduced to the permissible limit of 10% under the conditions of the optimum yield of R acid. The reduction of the strength of fuming H_2SO_4 below 10% SO_3 caused an increase of I above 10% in R acid, while an increase of SO_3 has no effect. A reduction in the temp. results in a lower yield of R acid and higher contents of I, while at higher temps. the yield of R acid is sharply reduced by the formation of $CaH_2(SO_3H)_2$.</p>		10	
<p>ASAC-55.5 METALLURGICAL LITERATURE CLASSIFICATION</p>					
STANDARD SYMBOLS		STANDARD SYMBOLS		STANDARD SYMBOLS	
STANDARD SYMBOLS		STANDARD SYMBOLS		STANDARD SYMBOLS	

<p>CA</p> <p>10</p> <p>The influence of the sulfonation conditions on the yields of sulfonic acids in the production of R acid. I. T. Vorentsov and P. N. Bokolova. <i>Azidobromochloroacids</i> <i>Pris.</i> 6, 17-21(1934); cf. <i>Ibid.</i> 1, No. 5(1931); C. A. 28, 5515; 29, 4500.—R acid and Schaeffer's acid (II) mixed in different proportions and converted into Poncreau 2R resulted in dyes of satisfactory tint with I up to 10%. The study of the effects of different factors on the yields of sulfonic acids led to the following conclusions. The max. oxidation losses of 5-6% are attained at the optimum sulfonation of 94-95%. The max. yield of 84-85% R acid contg. 9% I was obtained by sulfonating with 10% fuming H_2SO_4 at 120-5° for 18 hrs. and at 130-5° for 12 hrs. The min. yield of 10% R acid and I is obtained at all conditions of sulfonation. The relative contents of I in R acid are reduced to the permissible limit of 10% under the conditions of the optimum yield of R acid. The reduction of the strength of fuming H_2SO_4 below 10% SO_3 caused an increase of I above 10% in R acid, while an increase of SO_3 has no effect. A reduction in the temp. results in a lower yield of R acid and higher contents of I, while at higher temps. the yield of R acid is sharply reduced by the formation of $C_{10}H_6(SO_3H)_6$. Chas. Blanc</p>																																																																																																																													
<p>AS-15A METALLURGICAL LITERATURE CLASSIFICATION</p>																																																																																																																													
<table border="1"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>32</td><td>33</td><td>34</td><td>35</td><td>36</td><td>37</td><td>38</td><td>39</td><td>40</td><td>41</td><td>42</td><td>43</td><td>44</td><td>45</td><td>46</td><td>47</td><td>48</td><td>49</td><td>50</td><td>51</td><td>52</td><td>53</td><td>54</td><td>55</td><td>56</td><td>57</td><td>58</td><td>59</td><td>60</td><td>61</td><td>62</td><td>63</td><td>64</td><td>65</td><td>66</td><td>67</td><td>68</td><td>69</td><td>70</td><td>71</td><td>72</td><td>73</td><td>74</td><td>75</td><td>76</td><td>77</td><td>78</td><td>79</td><td>80</td><td>81</td><td>82</td><td>83</td><td>84</td><td>85</td><td>86</td><td>87</td><td>88</td><td>89</td><td>90</td><td>91</td><td>92</td><td>93</td><td>94</td><td>95</td><td>96</td><td>97</td><td>98</td><td>99</td><td>100</td> </tr> </table>																										1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																										

Preparation of Schaffer's acid. I. I. YERUNILAY, *J. Chem. Ind. (Moscow)* 7, 1287-9 (1930).—A brief review is given of the methods of manu. of Schaffer's acid, and 2 methods are discussed in detail. In the first the sulfonation of β -naphthol is carried out (for about 20 hrs. at a low temp.) with 2 parts by wt. of 95.7% H_2SO_4 to 1 of β (about 100% of β -naphthol-sulfonic acid as Schaffer's acid is naphthol; about the same amt. of 2,8-naphthol-sulfonic acid as Schaffer's acid is naphthol). According to the second method the sulfonation is carried out for 2.5 hrs. at a higher temp. (180°) with 1.5 as much H_2SO_4 as β -naphthol. The yield of sulfonic acids is about 60%, of which the Schaffer's acid constitutes $\frac{2}{3}$ or $\frac{1}{3}$. K. G.

ADDITIONAL METALLURGICAL LITERATURE CLASSIFICATION

LIST AND 2ND ORDER		PROCESSES AND PROCEDURES MADE		1ST AND 2ND ORDER	
<p>Mineral waste products in the production of dyes, and their utilization. 1. I. Vorontsov. <i>Antikisloshchaya Prom.</i> 2, No. 4, 36-48 (1932).--A discussion is given of the known methods of recovery and utilization of gas, mineral and acid waste products, and of absorption of noxious gases obtained in the production of azo and S dyes at the Derbenovsk works.</p> <p>Chas. Blanc</p>					
<p>ASB-5LA METALLURGICAL LITERATURE CLASSIFICATION</p>					
FROM STRIKING		TO STRIKING		TO STRIKING	
FROM STRIKING		TO STRIKING		TO STRIKING	

24

Co

Drying of azo dyes. I. I. Vorontsov. *Andimobrasch-naya (Prom. 4, 212 20 (1934)).*—The results of drying a no. of azo dyes in a factory by different methods are interpreted in the light of the Sherwood theory (C. A. 23, 1451, 3510; 20, 2255; 27, 1728). Chas. Blane

ASH-SLP METALLURGICAL LITERATURE CLASSIFICATION

[illegible]

1ST AND 2ND ORDERS																										100 AND 4TH ORDERS																									
PROCESSES AND PROPERTIES INDEX																																																			
<p>CO</p> <p>30</p> <p>Milled carbon black. S. Vorontsov and N. Pirozhkov. <i>J. Rubber Ind.</i> (U. S. S. R.) 12: 409-42 (1935).—Milling of C black on rolls (6 × 12 in., fraction 1:1.59) decreased the vol. to 1/2, 1/3; (2) increased its adsorptive power (100 g. of milled C black adsorbed 0.48 mg. of methylene blue before milling and 0.90 mg. after milling and (3) improved the mech. qualities of rubber mixes. 10-15%. A. P.</p>																																																			
<p>ASB-55A METALLURGICAL LITERATURE CLASSIFICATION</p>																																																			

7

CA

Detection of cobalt ion in the presence of other cations.
R. V. Vogelsang - J. Applied Chem. (U. S. S. R.) 8, 558 (in German 556) (1935).—In the test for Co by the Vogel reaction it is recommended to use a HCl soln., make the soln. acid. with NH₄CNS and remove the Fe(CNS)₃ coloration with SnCl₂.
 A. A. Boettingh

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

ROOM NUMBER
 SHEET ONE OF TWO

SEARCHED INDEXED
 SERIALIZED FILED

DIVISION OF RESEARCH
 U. S. DEPARTMENT OF COMMERCE

ALPHABETICALLY
 BY AUTHOR
 BY TITLE
 BY SUBJECT

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

BC

a-1

PREPARED AND PROPERTIES INDEX

Detection of cobalt in presence of other cations.
R. V. Yonovtsov (J. Appl. Chem, Russ., 1933,
6, 555-556).—The solution is made acid with HCl,
excess of NH_4CNS is added, the solution is decolorized
with SnCl_2 , $\text{C}_6\text{H}_{11}\text{OH}$ in CCl_4 is added, and the
mixture is shaken. A blue coloration of the alcohol
layer indicates Co. R. T.

ASM. S. A. METALLURGICAL LITERATURE CLASSIFICATION

1930-31 1932-33 1934-35 1936-37 1938-39 1940-41 1942-43 1944-45 1946-47 1948-49 1950-51 1952-53 1954-55 1956-57 1958-59 1960-61 1962-63 1964-65 1966-67 1968-69 1970-71 1972-73 1974-75 1976-77 1978-79 1980-81 1982-83 1984-85 1986-87 1988-89 1990-91 1992-93 1994-95 1996-97 1998-99 2000-01 2002-03 2004-05 2006-07 2008-09 2010-11 2012-13 2014-15 2016-17 2018-19 2020-21 2022-23 2024-25 2026-27 2028-29 2030-31 2032-33 2034-35 2036-37 2038-39 2040-41 2042-43 2044-45 2046-47 2048-49 2050-51 2052-53 2054-55 2056-57 2058-59 2060-61 2062-63 2064-65 2066-67 2068-69 2070-71 2072-73 2074-75 2076-77 2078-79 2080-81 2082-83 2084-85 2086-87 2088-89 2090-91 2092-93 2094-95 2096-97 2098-99 2100-01 2102-03 2104-05 2106-07 2108-09 2110-11 2112-13 2114-15 2116-17 2118-19 2120-21 2122-23 2124-25 2126-27 2128-29 2130-31 2132-33 2134-35 2136-37 2138-39 2140-41 2142-43 2144-45 2146-47 2148-49 2150-51 2152-53 2154-55 2156-57 2158-59 2160-61 2162-63 2164-65 2166-67 2168-69 2170-71 2172-73 2174-75 2176-77 2178-79 2180-81 2182-83 2184-85 2186-87 2188-89 2190-91 2192-93 2194-95 2196-97 2198-99 2200-01 2202-03 2204-05 2206-07 2208-09 2210-11 2212-13 2214-15 2216-17 2218-19 2220-21 2222-23 2224-25 2226-27 2228-29 2230-31 2232-33 2234-35 2236-37 2238-39 2240-41 2242-43 2244-45 2246-47 2248-49 2250-51 2252-53 2254-55 2256-57 2258-59 2260-61 2262-63 2264-65 2266-67 2268-69 2270-71 2272-73 2274-75 2276-77 2278-79 2280-81 2282-83 2284-85 2286-87 2288-89 2290-91 2292-93 2294-95 2296-97 2298-99 2300-01 2302-03 2304-05 2306-07 2308-09 2310-11 2312-13 2314-15 2316-17 2318-19 2320-21 2322-23 2324-25 2326-27 2328-29 2330-31 2332-33 2334-35 2336-37 2338-39 2340-41 2342-43 2344-45 2346-47 2348-49 2350-51 2352-53 2354-55 2356-57 2358-59 2360-61 2362-63 2364-65 2366-67 2368-69 2370-71 2372-73 2374-75 2376-77 2378-79 2380-81 2382-83 2384-85 2386-87 2388-89 2390-91 2392-93 2394-95 2396-97 2398-99 2400-01 2402-03 2404-05 2406-07 2408-09 2410-11 2412-13 2414-15 2416-17 2418-19 2420-21 2422-23 2424-25 2426-27 2428-29 2430-31 2432-33 2434-35 2436-37 2438-39 2440-41 2442-43 2444-45 2446-47 2448-49 2450-51 2452-53 2454-55 2456-57 2458-59 2460-61 2462-63 2464-65 2466-67 2468-69 2470-71 2472-73 2474-75 2476-77 2478-79 2480-81 2482-83 2484-85 2486-87 2488-89 2490-91 2492-93 2494-95 2496-97 2498-99 2500-01 2502-03 2504-05 2506-07 2508-09 2510-11 2512-13 2514-15 2516-17 2518-19 2520-21 2522-23 2524-25 2526-27 2528-29 2530-31 2532-33 2534-35 2536-37 2538-39 2540-41 2542-43 2544-45 2546-47 2548-49 2550-51 2552-53 2554-55 2556-57 2558-59 2560-61 2562-63 2564-65 2566-67 2568-69 2570-71 2572-73 2574-75 2576-77 2578-79 2580-81 2582-83 2584-85 2586-87 2588-89 2590-91 2592-93 2594-95 2596-97 2598-99 2600-01 2602-03 2604-05 2606-07 2608-09 2610-11 2612-13 2614-15 2616-17 2618-19 2620-21 2622-23 2624-25 2626-27 2628-29 2630-31 2632-33 2634-35 2636-37 2638-39 2640-41 2642-43 2644-45 2646-47 2648-49 2650-51 2652-53 2654-55 2656-57 2658-59 2660-61 2662-63 2664-65 2666-67 2668-69 2670-71 2672-73 2674-75 2676-77 2678-79 2680-81 2682-83 2684-85 2686-87 2688-89 2690-91 2692-93 2694-95 2696-97 2698-99 2700-01 2702-03 2704-05 2706-07 2708-09 2710-11 2712-13 2714-15 2716-17 2718-19 2720-21 2722-23 2724-25 2726-27 2728-29 2730-31 2732-33 2734-35 2736-37 2738-39 2740-41 2742-43 2744-45 2746-47 2748-49 2750-51 2752-53 2754-55 2756-57 2758-59 2760-61 2762-63 2764-65 2766-67 2768-69 2770-71 2772-73 2774-75 2776-77 2778-79 2780-81 2782-83 2784-85 2786-87 2788-89 2790-91 2792-93 2794-95 2796-97 2798-99 2800-01 2802-03 2804-05 2806-07 2808-09 2810-11 2812-13 2814-15 2816-17 2818-19 2820-21 2822-23 2824-25 2826-27 2828-29 2830-31 2832-33 2834-35 2836-37 2838-39 2840-41 2842-43 2844-45 2846-47 2848-49 2850-51 2852-53 2854-55 2856-57 2858-59 2860-61 2862-63 2864-65 2866-67 2868-69 2870-71 2872-73 2874-75 2876-77 2878-79 2880-81 2882-83 2884-85 2886-87 2888-89 2890-91 2892-93 2894-95 2896-97 2898

Laurea camphora Nees (cinnamomum camphora). V. P. Vorontsov. *Byull. Nauch. Issledovatel. Khim.-Farm. Inst.* 1931, 88 93. *Laurea camphora* Nees cultivated in the Batum district gave the following percentages of camphor and essential oil (the tree was about 30 years old): leaves and young branches 2.0%, 0.13% (on the dry substance); branches of higher age 0.53, 0.13%; trunk 2.11, 0.51%; and roots 1.65, 1.30%. The yields are but slightly affected on storage. A. A. Rechtlinsk.

Analysis of emetine hydrochloride. H. A. Klyachkina and V. D. Zilberg. *Byull. Nauch. Issledovatel. Khim.-Farm. Inst.* 1931, 103 10. Emetine hydrochloride, C₂₈H₄₄N₂O₄·2HCl, contains varying amts. of water of crystn. according to the Dutch Pharm. The methods described in various pharmacopoeias for the sepn. of Na cephalinate are not accurate. Na cephalinate is stable (it is not hydrolyzed) only at high concns. of the caustic (40-50%) and ether exts. not only emetine but also some cephalin. In addition when cephalin is extd. with ether from the ammoniacal soln. the extn. is incomplete. Emetine is extd. from a 20-30% alk. soln. after 2 extns. and it should not be subjected to drying in the course of the analysis because of the ease of decompn. Cephalin is soluble in alkalis and the stability of the cephalinate depends upon the concn. of the alkali. An excess of NH₄OH, however, should be avoided because of the partial soly. of cephalin. The best results are obtained by using, in ether extns. from an NH₄OH soln., a concn. of the latter amounting to 15-20% of that theoretically required. The use of buffer solns. was of no avail while complete extn. of cephalin is obtained with chloroform; this, however, caused the extn. of picrotoxin (C₂₁H₂₅N₂O₆) and other contaminations. Emetine was sepd. from cephalin as follows: The alk. mist. was treated with NH₄OH after acidifying followed by a repeated ether extn. of emetine left after evapn. of ether consists of cephalin. To the neutralized alk. soln. of emetine HCl and cephalin NaOH was added until the concn. of the soln. reaches about 50% and the alk. liquid was then shaken with ether (2-3 times). The residue was evapd. and dried and contained emetine. A. A. Rechtlinsk.

1ST AND 2ND CROSS													100 AND 5TH CROSS												
PROCESSIES AND PROPERTIES INDEX																									
<div style="position: absolute; top: 10px; left: 10px; font-size: 2em;">BC</div> <div style="position: absolute; top: 10px; right: 10px; font-size: 1.5em;">a-4</div> <div style="position: absolute; top: 300px; left: 300px; transform: rotate(-15deg);"> <p>Leaves, <i>camphora</i>, <i>Meos</i>. (Chassagnon camphora). V. E. Komarov (Kull Nanch, Islo- dev. Khim-Farm. Inst. 1941, 88-93).—The tree (30 years) affected the following percentages of comp. and essential oil, respectively: leaves and young branches 0-07; 0-15 (on dry substance); older branches 0-63, 0-13; trunk 2-16, 0-68; roots 1-65; 1-30. Storage only slightly affects the yield. (Ch. Ass.)</p> </div>													<div style="position: absolute; top: 300px; left: 300px; transform: rotate(-15deg);"> <p>Leaves, <i>camphora</i>, <i>Meos</i>. (Chassagnon camphora). V. E. Komarov (Kull Nanch, Islo- dev. Khim-Farm. Inst. 1941, 88-93).—The tree (30 years) affected the following percentages of comp. and essential oil, respectively: leaves and young branches 0-07; 0-15 (on dry substance); older branches 0-63, 0-13; trunk 2-16, 0-68; roots 1-65; 1-30. Storage only slightly affects the yield. (Ch. Ass.)</p> </div>												
<div style="display: flex; justify-content: space-between;"> <div> <p>ASB-51A DETAILING LITERATURE CLASSIFICATION</p> <p>FROM SYNDICATE</p> <p>547043 *4</p> </div> <div> <p>FROM BOWING</p> <p>546131 G4 JUV 181</p> </div> </div>																									
<p>547043 *4</p> <p>546131 G4 JUV 181</p>													<p>546131 G4 JUV 181</p>												
<p>546131 G4 JUV 181</p>													<p>546131 G4 JUV 181</p>												

VORONTZOV, V. S.,
Z. I. VOZZHINSKAYA, Khim. Tverdogo Topliva 5, 243-51 (1934)

BC B-I-5

Electrolytic determination of copper in chromium-copper alloys. M. T. Ynservativa (Zavod. Lab. 1957, 6, 875-876). 2 g. of steel are dissolved in 40 ml. of 10% H₂SO₄; the solution is conc. to approx. of saturation; 5-7 ml. of H₂O are added, and heating is continued to evolution of SO₂; 40-50 ml. of H₂O are added, the solution is filtered, and the filtrate + washings are electrolyzed at 25° (c.d. 0.6-0.9 amp./sq. cm.; at 2-3 v.) for 45 min. The cathode is washed, dried at 100°, and weighed. R. T.

ASM-A6A METALLURGICAL LITERATURE CLASSIFICATION

119

CO

The role of the endocrines in the pathogenesis of allergic reactions. 1. Phenomenon of Arthus in thyroidectomized rabbits before sensitization. G. S. Varnavskiy. *Med. ekspt. (Ukraine)* 1939, No. 3, 34-35; cf. C. T. 34, 1370.
The thyroid glands were removed from rabbits 7-20 days before sensitization by means of 6 injections of 2 ml. of normal horse serum into the marginal ear vein with intervals of 3-5 days. The phenomenon of Arthus was present in all the animals but the inflammatory reaction was somewhat weaker in the thyroidectomized rabbits. S. A. C.

ASB-55A METALLURGICAL LITERATURE CLASSIFICATION

112

The role of endocrine glands in the pathogenesis of allergic reactions. II. Arthus' phenomenon in rabbits thyroidectomized at the peak of sensitization. (U. S. Yegorovskiy, *Mik. rept.* (Ukraine) 1950, No. 4, 1-13)

Fifteen male rabbits were sensitized by 6 injections of 2 cc. doses of normal horse serum into the marginal ear vein at 3-day intervals. Total thyroidectomy performed during the interval between the last sensitizing dose and the toxic dose led to mitigation of Arthus' phenomenon but could not completely prevent its development.

S. A. Gerasimov

CHUDNOVSKIY, Izrail' Yakovlevich, inzh.; LAKETKO, Vladimir
Iosifovich, inzh.; VORONYAK, Ivan Gavrilovich, tekhnik;
ORLOV, Boris Petrovich, inzh.; SHNAYDERMAN, David
Khaymovich, inzh.; KOYCHU, Dora Mikhaylovna, inzh.;
BALL, A.M., kand. tekhn.nauk, retsenzent; VEKSLER, G.S.
kand.tekhn. nauk, retsenzent; LYSENKO, N.A., kand.
tekhn. nauk, retsenzent; YUR'YEV, A.M., inzh., retsen-
zent; TYNSKIY, P.I., inzh., retsenzent

[Handbook on motion-picture equipment] Spravochnik po
kinotekhnike. [By] I.IA.Chudnovskii i dr. Kiev, Tekh-
nika, 1964. 635 p. (MIRA 18:1)

KUZNIK, B.I.; AL'FONSOV, V.V.; VORONYANSKAYA, L.G.; NAUMOV, A.D.

Some seasonal characteristics of the regulation of the blood system
in animals in the ultracontinental climate of Transbaikalia. Dok.
vop. klim. i kraev. pat, no.3:60-64 '63.

(MIRA 18:10)

1. Iz kafedry normal'noy fiziologii (ispolnyayushchiy obyazannosti
zaveduyushchego dotsent B.I.Kuznik) Chitinskogo gosudarstvennogo
meditsinskogo instituta,

VORONYANSKIY, kand.tekhn.nauk; ANDRIYEVSKIY, P.

Machines prepare organomineral fertilizers on livestock farms.
Nauka i pered.op.v sel'khoz. 9 no.11:60-61 W '59.
(MIRA 13:3)

1. Direktor sovkhoza "Buchanskiy" (for Andriyevskiy).
(Fertilizers and manures) (Agricultural machinery)

VORONYANSKIY, A., shofer; NARODETSKIY, I., shofer.

Our working experience with a ZIS - 154 motor bus. Avt.transp.32
no.12:10 D '54. (MLRA 8:3)

1. Kiyevskiy avtobusnyy park No.1.
(Motor buses)

VORONYANSKIY, G.S.

LEKHTSIYER, L.I. (Khar'kov); VORONYANSKIY, G.S. (Khar'kov); KAPLAN, P.M.
(Khar'kov) SUKHOVIY, P.I. (Khar'kov); DINERSHTAYN, Z.M. (Khar'kov);
SERDYUKOVA, O.A. (Khar'kov)

Clinical, anatomical and physiological peculiarities of epulis.
Probl. stom. 3:303-316 '56 (MLA 10:5)
(GUMS--TUMORS)

VORONYANSKIY, G.B., dotsent; MIKLYAYEV, Yu.I.

Work of the Kharkov Province Society of Pathoanatomists and Patho-physiologists in 1955. Arkh.pat. 18 no.8:115-117 '56. (MLRA 10:2)

1. Predsedatel' Khar'kovskogo oblastnogo obshchestva patologoanatomov i patofiziologov (for Voronyanskiy) 2. Sekretar' Khar'kovskogo oblastnogo obshchestva patologoanatomov i patofiziologov (for Miklyayev)

(ANATOMY, PATHOLOGICAL)

(PHYSIOLOGY, PATHOLOGICAL)

~~VORONYANSKIY, G.S.~~
VORONYANSKIY, G.S., dotsent; MIKLYAYEV, Yu.I.

Work of the Kharkov Province Society of Pathoanatomists and Patho-physiologists in 1956. Arkh.pat. 19 no.11:89-92 '57. (MIRA 11:1)

1. Predsedatel' Khar'kovskogo oblastnogo obshchestva patologoanatomov i patofiziologov (for Voronyanskiy). 2. Sekretar' Khar'kovskogo oblastnogo obshchestva patologoanatomov i patofiziologov (for Miklyayev)

(ANATOMY, PATHOLOGICAL)

(PHYSIOLOGY, PATHOLOGICAL)

VORONYANSKIY, M.P. [Voronians'kyi, M.P.], nauchnyy sotrudnik

Preparation for the operation of mechanisms for manure handling.
Mekh. sil'. hosp. 14 no.11:28-29 N'63. (MIRA 17:2)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanizatsii i
elektrifikatsii sel'skogo khozyaystva.

VORONYANSKIY, N., kand.tekhn.nauk

Pipeless watering system. Sel' stroi. 15 no.1:22-23 Ja '61.

(MIRA 14:3)

(Cattle--Watering)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861010012-1

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861010012-1"

VORONYANSKIY, V. I.

"The Effect of Castration on the Nature of Proteins in Capon Muscles."
Cand Biol Sci, Khar'kov Veterinary Inst, Khar'kov, 1954. (KL, No 3, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher
Educational Institutions (13)
SO: Sum. No 598, 29 Jul 55

24.5200

35855

S/044/62/000/002/045/092
C111/C444

AUTHOR: Voron'yets, Konstantin
TITLE: The deviation of the velocity field of a flow from the potential field
PERIODICAL: Referativnyy zhurnal, Matematika, no. 2, 1962, 76-77, abstract 2B337. ("Zb. radova Srpska AN", 1959, Kn'., 60, 97-107)

TEXT: Let $f(x,y) = \varphi(x,y) + i\psi(x,y)$ be an analytic function of the complex variable $z = x + iy$. Then $\varphi(x,y)$ and $\psi(x,y)$ satisfy the Cauchy-Riemann conditions: $\text{grad } \varphi = [\text{grad } \psi, K]$, where K is the unit vector, standing orthogonally on the plane XOY. If the function $f(x,y)$ is not analytic, then one may regard the vector $B = \text{grad } \varphi - [\text{grad } \psi, K]$ which has been introduced by Bilimovich (RZh Mat, 1956, 6520), to be the measure for the deviation from analyticity.

In the referred paper one uses the results of Bilimovich in order to investigate a non-potential plane flow of a compressible liquid. The author sets

Card 1/2

The deviation of the velocity . . .

S/044/62/000/002/C45/092
C111/C444

$$v_x = \frac{\partial \varphi}{\partial x} = \frac{\xi_0}{\xi} \frac{\partial \Psi}{\partial y}, \quad v_y = \frac{\partial \varphi}{\partial y} = -\frac{\xi_0}{\xi} \frac{\partial \Psi}{\partial x},$$

and constructs the non-analytic complex potential $f = \varphi + i\Psi$; this potential is investigated and used for the construction of the approximative solution. The formula

$$B = \left(1 - \frac{\xi_0}{\xi}\right) \Psi$$

is obtained. The obtained results are transferred to the three-dimensional flow of a compressible liquid, whereby a non-analytic quaternion potential is constructed and investigated.

[Abstracter's note: Complete translation.]

Card 2/2

VORONYUK, A. S.

VORONYUK, A. S.: "An analysis of the conditions for the use of underground crushers for secondary crushing of ore". Moscow, 1955. Acad Sci USSR. Inst of Mining. (Dissertations for the Degree of Candidate of Technical Sciences)

SO: Knizhnaya letopis', No. 52, 24 December, 1955. Moscow.

BARON, L.I.; VORONYUK, A.S.

Role of second crushing and the ore yield as related to the
general work input for second workings in various mining systems.

Trudy Inst.gor.dela 3:74-88 '56.

(MLRA 9:8)

(Krivoy Rog--Iron mines and mining)

BARON, Lazar' Israilevich, doktor tekhnicheskikh nauk; ~~YORONKUN~~ Anatoliy
Stepanovich, kandidat tekhnicheskikh nauk; SHUSTOVA, V.M.,
~~redaktor izdatel'stva~~; VAINSHTEYN, Ye.B., tekhnicheskiy redaktor

[Use of underground crushing apparatus in ore mines] Primenenie
podzemnykh drobil'nykh ustanovok na metallicheskiykh rudnikakh.
Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi
metallurgii, 1957. 186 p. (MLRA 10:6)
(Mining machinery) (Crushing machinery)

VORONYUK, A. S., Cand. Tech. Sci. and BARON, L. I. Dr. Tech. Sci.

Method of Determining the Economic Expediency of Utilizing Underground Crushing Machinery, in book Problems in the Exploitation of Mineral Ore Deposits, Moscow, Izd-vo- AN SSSR, 1958, 251pp. (pp. 122)

Subsurface crushing offers the following advantages: better working conditions and increased safety, increased productivity, more proficient mucking and tramming, and more efficient utilization of hauling and hoisting equipment. Various designs are submitted by the authors.

Approximate Evaluation of the True Volume of Broken Ore by Its Three Maximum Dimensions. p. 153 in above book.

The authors provide a practical approach for classifying broken ore of different size and computing voids.

VORONYUK, A.S.

SHOLDYREV, Anatoliy Yevtikheyevich; VORONYUK, A.S., kand.tekhn.nauk, red.;
LANOVSKAYA, M.R., red.izd-va; EVERTSON, I.M., tekhn.red.

[Mechanization of filling work during mine operation] Mekhanizatsia
zakladochnykh rabot pri razrabotke rudnykh mestorozhdenii. Moskva,
Gos. nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoy metallurgii,
1958. 275 p. (MIRA 11:4)
(Mining engineering)

BARON, L.I.; VORONYUK, A.S.; SIMONYAN, Ye.A.; FUGZAN, M.D.

Computed values for the physiomechanical characteristics of mixtures of pieces of rock having various hardnesses. Izv. AN Kazakh, SSR. Ser. gor. dela no.1:111-118 '58.

(Rocks—Testing)

(MIRA 16:5)

AGOSHKOV, M.I.; BRONNIKOV, D.M.; KOVAZHENKOV, A.V. [deceased]; NIKANOROV, V.I.; MOCHALIN, M.P.; VORONYUK, A.S.; Prinimali uchastiye: KRASAVIN, G.A.; GAGULIN, M.V.; BARSUKOV, F.A.. TERPOGOSOV, Z.A., kand. tekhn.nauk, otv.red.; NIKOLAYEVA, I.N., red.izd-va; DOROKHINA, I.N., tekhn.red.

[Investigating the main technological processes of underground mining of thick hard ore deposits] Issledovanie osnovnykh tekhnologicheskikh protsessov pri podzemnoi razrabotke moshchnykh mestorozhdenii krepkikh rud. Moskva, Izd-vo Akad.nauk SSSR, 1959. 359 p. (MIRA 13:2)

1. Chlen-korrespondent AN SSSR (for Agoshkov).
(Mining engineering) (Ore dressing)

VORONYUK, A.S.

Improving working conditions and increasing safety on the ore
loading and unloading level. Trudy Inst. gor. dela Sib. otd.
AN SSSR no.3:329-338 '60. (MIRA 14:4)
(Ore handling--Safety measures)

BARON, L.I., prof., doktor tekhn. nauk; VORONYUK, A.S., kand. tekhn. nauk

Problems of extracting large-sized ore in underground mining.
Nauch. soob. IGD 15:15-32 '62. (MIRA 17:2)

GONCHAROVICH, I.F., kand.tekhn.nauk; VORONYUK, A.S., kand.tekhn.nauk

Using vibrating equipment in underground mining of ore. Nauch.
soob. IGD 17:40-58 '62. (MIRA 16:7)
(Mining machinery) (Vibration)

VORONYUK, A.S., kand.tekhn.nauk

Determining the mine-conditioned lump size and the selection
of the parameters of equipment and installations for conveying
ore from stope blocks. Nauch. soob. IGD 21:4-22 '63. (MIRA 17:2)

AGOSHKOV, M.I.; BUD'KO, A.V.; ARUTYUNOV, K.G.; BOGDANOV, G.I.;
KRIVENKOV, N.A.; Prinimali uchastiye: ZAMESOV, N.A.;
GAGULIN, M.V.; KRASAVIN, G.A.; VORONYUK, A.S.;
KOSTAN'YAN, A.Ya., red.izd-va; ASRAF'YEVA, G.A., tekhn.
red.; SIMKINA, G.S., tekhn. red.

[Analysis of the development systems of mines in the Krivoy
Rog Basin] Analiz sistem razrabotki rudnikov Krivorozhskogo
basseina. Moskva, Izd-vo AN SSSR, 1963. 184 p.

(MIRA 17:3)

1. Chlen-korrespondent AN SSSR (for Agoshkov).

AGOSHIKOV, M.I.; VORONYUK, A.S.; ARBACHAKOVA, G.I.

Angles of inclination of main ore chutes. Fiz.-tekh. probl.
razrab. pol. iskop. no.5:66-69 '65. (MIRA 19:1)

1. Institut gornogo dela imeni Skochinskogo, Moskva.

VORONYUK, B. A.

GARDENING

Sowing peas with white mustard., Sov. agron., 10 no. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, May 1952.
Unclassified.

VORONYUK, B.A., kandidat sel'skokhozyaystvennykh nauk; DUBIMINA, T.D.,
~~nauchnyy~~ sotrudnik

Peanut and sesame breeding and seed production. Trudy VNIIT
no. 10:49-68 '54. (MIRA 8:9)

(Peanuts) (Sesame)

VORONYUK, B.A., kandidat sel'skokhozyaystvennykh nauk.

Slightly dehiscent Sl-3 sesame. Ref. nauch. rab. VNIIEOP no.3:92-
95 '55. (MIRA 9:11)

(Sesame)

Country : USSR
CATEGORY :

M-7

ABS. JOUR. : RZBiol., No. 19, 1958, No. 87164

AUTHOR : Voronyuk, B. A.

INST. : All-Union Scientific Research Institute of *

TITLE : A New Form of Peanuts.

ORIG. PUB. : Referaty nauchn. rabot Vses. n.-i. in-ta
konservn. i ovoshchesush. prom-sti, 1957, **

ABSTRACT : At the experimental selection station "Mayak" (near Krasnodar) by crossing in 1951 a semi-bushy, low-yield, late variety of peanuts, that produces large pods, with the Stepanyak variety (a high-yield, early maturing, bushy variety which, however, produces small pods), and by selection during 1952-1953, there has been obtained a new form of semi-bushy, large-pod peanuts, which is characterized by strong development of the tops. In 1954, at the selection nursery, this form was found to produce higher yields than the zonal variety, and showed the highest indices in absolute weight of pods (2465 g) and seeds (900 g). -- Ye. Z. Geydel'berg.

CARD://

* the Industry of Canning and Dried Vegetables.

VORONYUK, B.A. kandidat sel'skokhozyaystvennykh nauk.

Promising form of late-fruited peanut. Masl.-shir. prem. 23 no.2:
12-13 '57. (MLRA 10:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut konservnoy i
oboshchesushil'noy promyshlennosti.
(Peanuts)